



**PATIENT**

Finly Schmidt

**PRESENTING CLINICAL SIGNS**

History of azotemia since Jan with some mild progression in values.

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: SDMA 35 (Jan 2023 was 32), creatinine 315 (Jan 2023 was 273), BUN 15.1 (Jan 2023 was 22.8). Mild hypoalbuminemia at 26.

**BREED**

Shepherd Mix

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

**SEX**

FS

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 6.8 cm in length. The right kidney measured 6.8 cm in length.

**AGE**

8yr

The area of the aortic trifurcation was free of pathology.

**WEIGHT**

39kg

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.39 cm width at the caudal pole and 0.63 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.82 cm in length.

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP  
(Canine and Feline)

**Spleen**

The spleen exhibited normal size and generalized mild parenchyma heterogeneity. No masses or nodules present. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis.

**IMAGING PERFORMED BY**

Dr. Barthelemy

**Liver/Gallbladder**

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with mild variably hyperechoic mildly congealed non-organized debris in the cranial lumen. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.

**HOSPITAL NAME**

Silverado Veterinary  
Hospital

**REFERRING VET**

Dr. KD

**Gastrointestinal**

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

**INVOICE**

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The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

**DATE**

04/10/223

Normal visible colon wall layers were present with apparent formed feces in lumen.

**Pancreas**



## PATIENT

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The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

## SPECIES

Canine

### Free Abdomen

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

## BREED

Shepherd Mix

## ULTRASONOGRAPHIC FINDINGS

- Non-specific chronic renal changes/nephropathy.
- Mildly heterogenous spleen-subjectively benign, incidental hyperplasia, hematopoiesis, mild hypersplenism given the breed possible.
- Gallbladder debris (non-mucocele).

## SEX

FS

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

## AGE

8yr

A full urinary workup including UA, C/S and baseline UPC level if evidence of proteinuria combined with mild hypoalbuminemia is suggested if not done. CKD therapy with monitoring of renal parameters would be appropriate. Assuming normal clotting status and using a 25g needle, a splenic FNA for screening cytology could be considered for further assessment if evidence of progressive splenomegaly or heterogenous parenchymal changes. No evidence of intra-abdominal neoplastic criteria.

## WEIGHT

39kg

## INTERPRETED BY

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DVM, DABVP  
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## IMAGING PERFORMED BY

Dr. Barthelemy

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## REFERRING VET

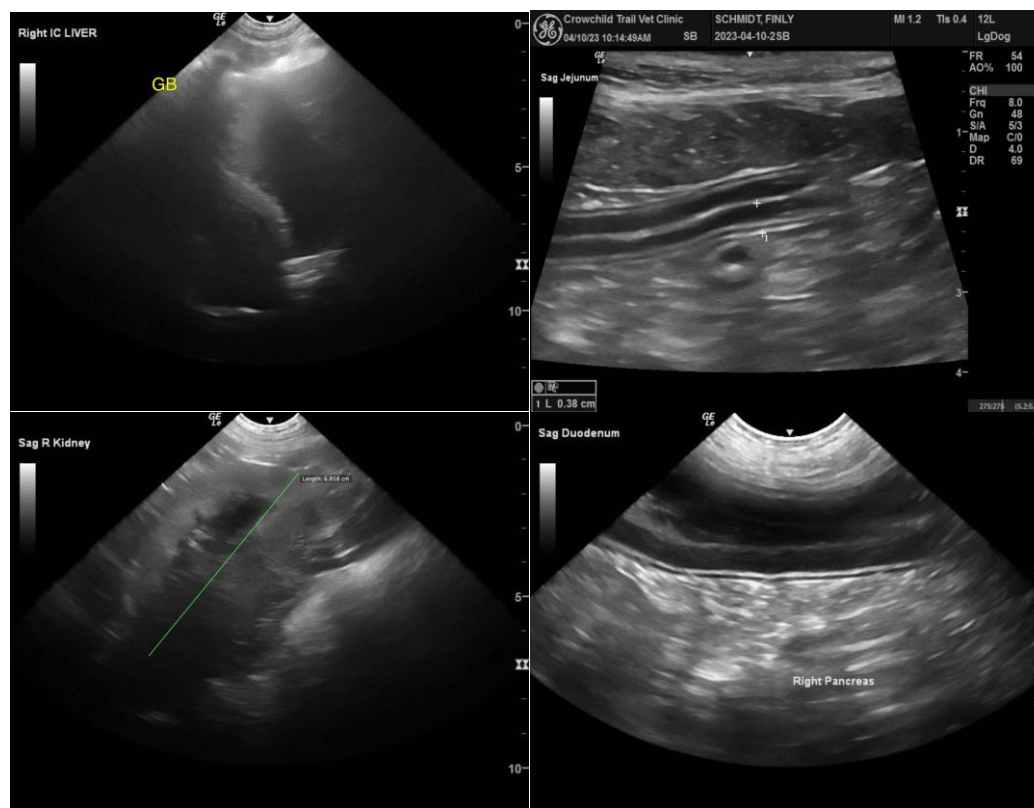
Dr. KD

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**SPECIES**

Canine

**BREED**

Shepherd Mix

**SEX**

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**AGE**

8yr

**WEIGHT**

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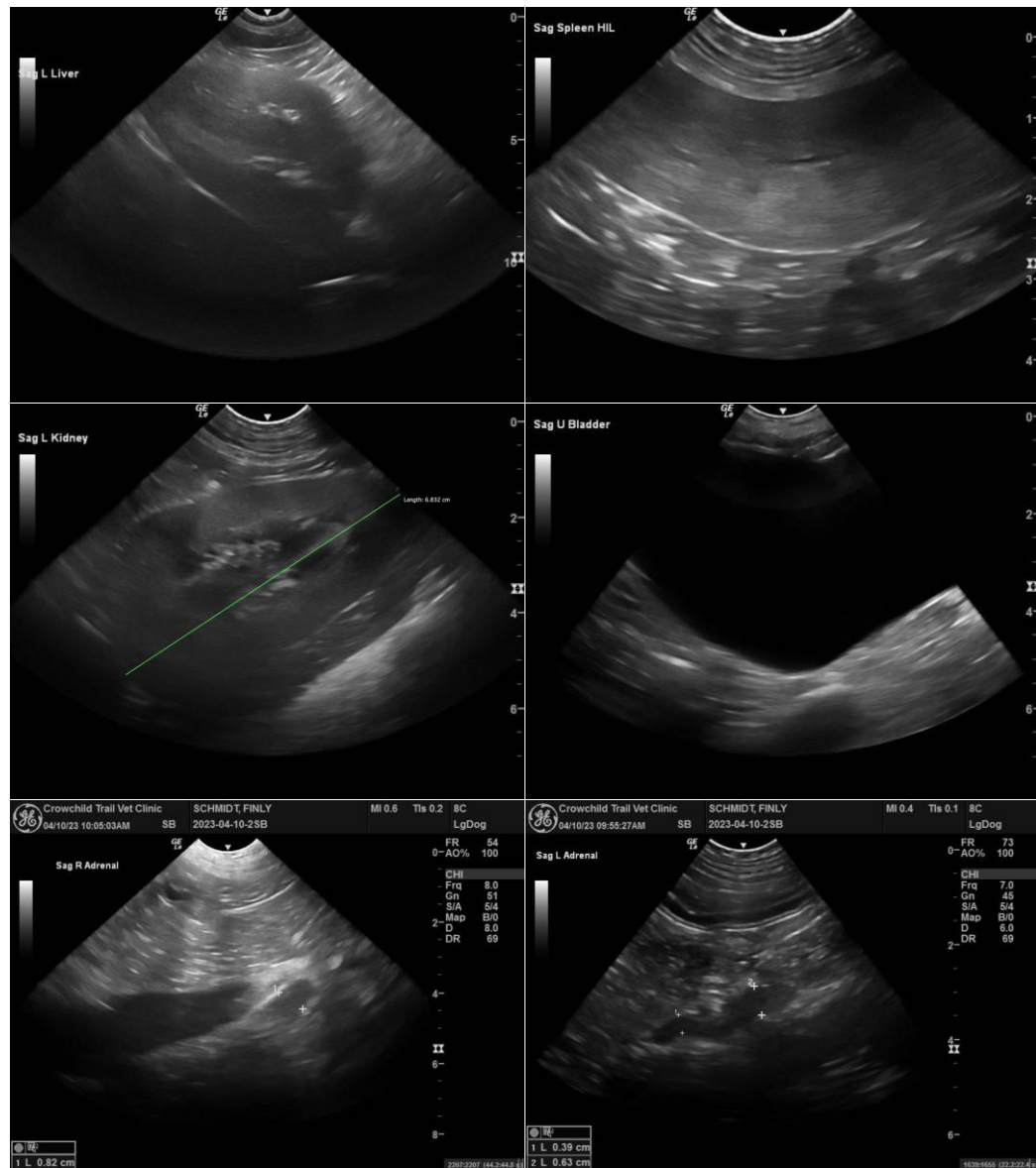
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**DATE**

04/10/2023



The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)

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